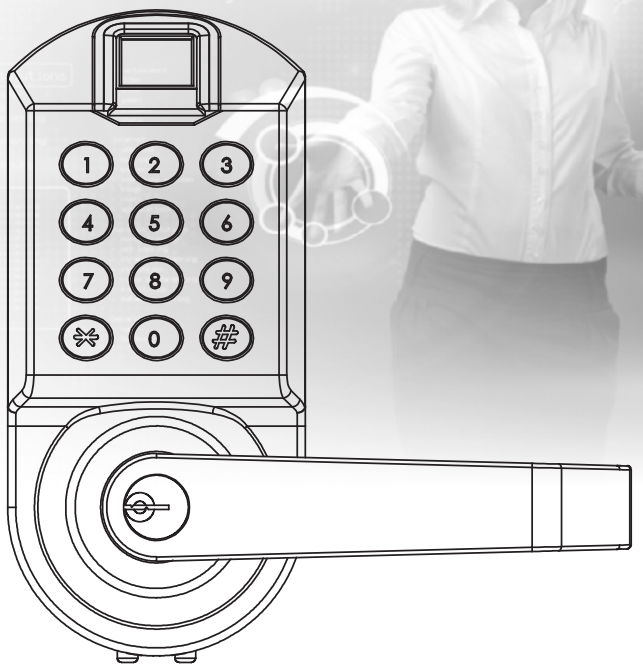
One touch to open

Scyan X7 Fingerprint Keypad Lock

User Manual



Scyan Electronics

Scyan X7 Quick Programming Guide

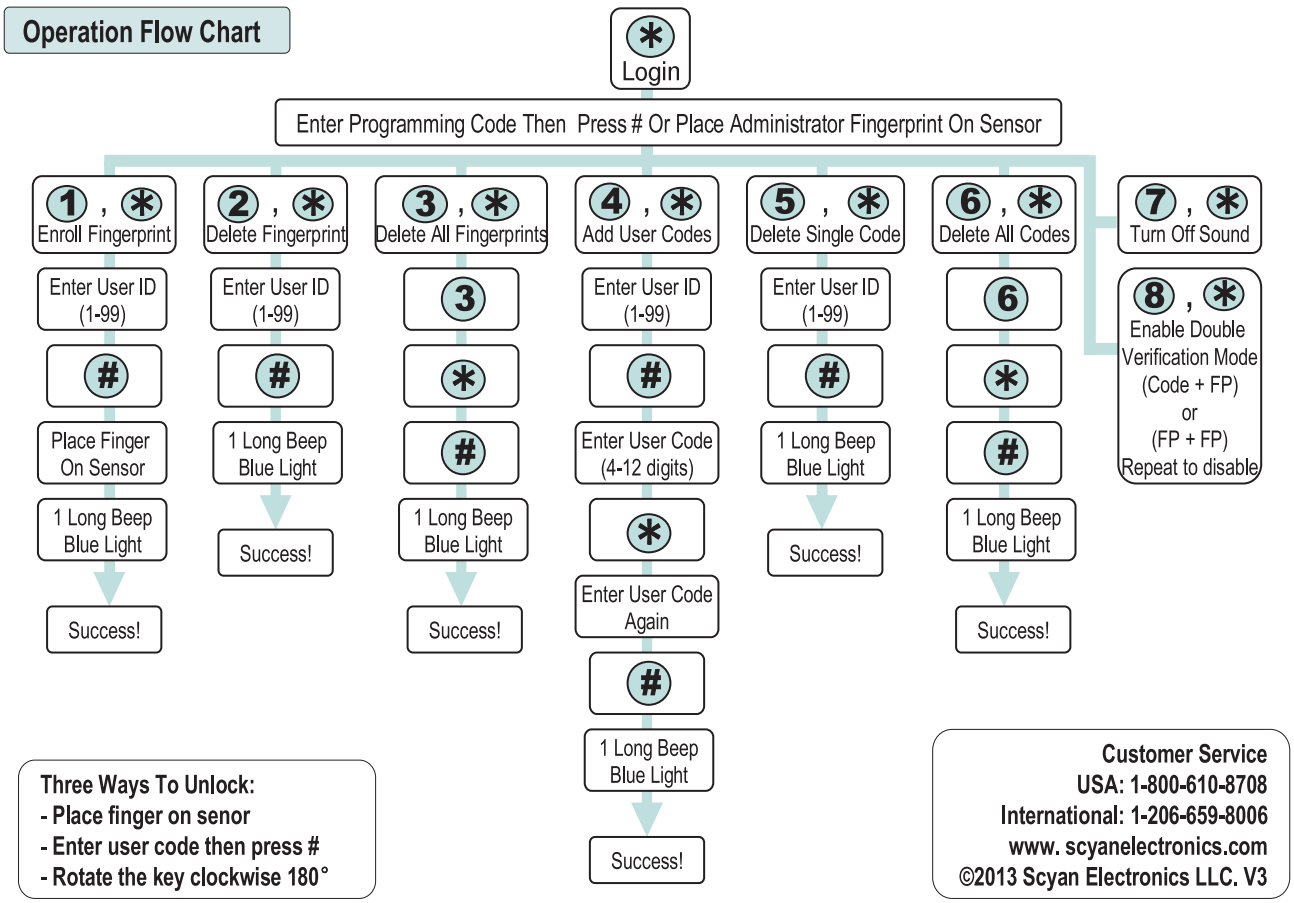
Important Notes

- Fingerprint user ID 0, 1 and 2 are reserved for administrator. Administrator fingerprint could login system to program.
- For valid key entry, press and hold a key until you hear a beep and see blue light, then release the key.
- During programming, system will log out if a user doesn't press any keys for 5 seconds. The keypad will flash red twice to indicate system log out. If you make a mistake during programming, please wait for the system to log out and then login again.
- Try to use finger to unlock for 5 or more times after you enroll your fingerprint in system. Let system catch more fingerprint templates.
- When you use fingerprint to unlock and the system rejects, keep your finger on sensor and adjust finger angle or position. The system will automatically read your fingerprint two additional times. Shift/adjust the finger angle or position between readings. Each reading is signaled by the sensor flashing light. After three rejections, the system will shut off. You need to lift your finger at least 2 inches away from the sensor, then place finger back on sensor to re-active the sensor.
- Fingerprint sensor should activate automatically when a user place finger on the sensor, otherwise press # to active fingerprint sensor. To solve the problem, take one battery out, press any key for 2 seconds, and then place the battery back.
- Improper operation may cause system crash, the system doesn't accept any command. To solve the problem, take one battery out, press any key for 2 seconds, and then place the battery back. Try again if system doesn't recover. Reset system if problem is still there.

Change Programming Code

Setup The First Administrator Fingerprint

Operation Flow Chart



Three Ways To Unlock:
- Place finger on senor
- Enter user code then press #
- Rotate the key clockwise 180°

Customer Service
USA: 1-800-610-8708
International: 1-206-659-8006
www. scyanelectronics.com
©2013 Scyan Electronics LLC. V3

Contents

1. Features ----------4

2. Specifications ----------5

3. How to scan your fingerprint ----------5

4. Programming Code ----------5

5. Fingerprint management----------6

6. User Code Management----------7

7. Beep sound management ----------8

8. Double verification mode ----------8

9. Passage mode enabling/disabling ----------8

10. Key unlock ----------9

11. Low battery warning----------9

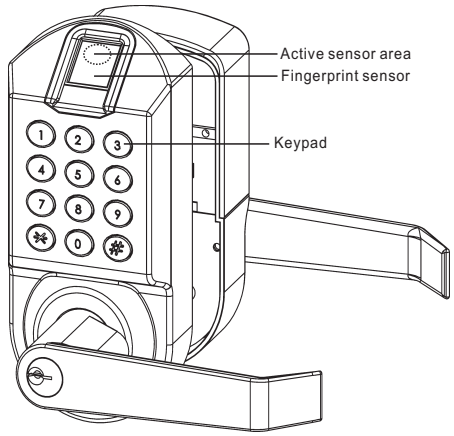
12. Additional power source ----------9

13. System reset ----------9

14. Troubleshooting ----------9

15. Lock installation ----------11

16. Product return ----------18



Thank you for choosing Scyan X-7 fingerprint keypad lock. No more worries about losing your keys! The X-7 lock offers a convenient and secure lock system solution that adopts the latest and most advanced fingerprint lock technologies. The lock has self-learning ability, which enables the lock to update a user fingerprint template after every fingerprint entry. This unique feature significantly reduces rejection rate when compared to other fingerprint lock systems on the market. In addition, the fingerprint sensor in the lock is combined with the touch active sensor. This feature allows an easy and fast fingerprint entry--one touch on the fingerprint sensor unlocks. The lock is also equipped with a standard 12-key keypad. The keypad allows a user to unlock using a user code.

1. Features

- Three ways to unlock: fingerprint, user code, or key.
- Up to 100 fingerprint users could be registered in the system.
- Up to 100 user codes could be programmed into the system.
- Individual fingerprint user and user code deletion.
- Build-in touch active sensor: one touch to unlock.
- Self-learning ability: fingerprint template is updated after every fingerprint entry.
- Two ways to login the system: programming code or administrator fingerprint.
- Beeper sound turn off option, you may turn off beeper sound if you don't like.
- Double verification mode: unlock by User code + fingerprint or fingerprint + different fingerprint, when you enable this mode.
- Support passage mode: stay at "unlock" state during the passage mode.
- Memory function: "power run-out" or "system reset" will not cause the loss of registered fingerprint(s) and user code(s).

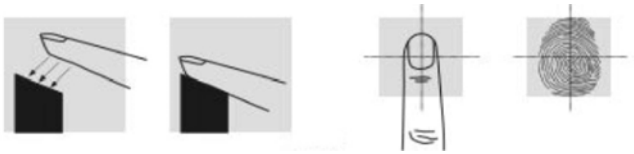
- Reversible lever: lock fits both left-handled and right-handed door.
- Reversing lever controlled by key.
- "Schlage C key" as an override key.
- Key override feature could be disabled.
- 9V battery may be attached as an additional power source.
- Double-shell heavy duty construction design.
- Low power alert.

2. Specifications

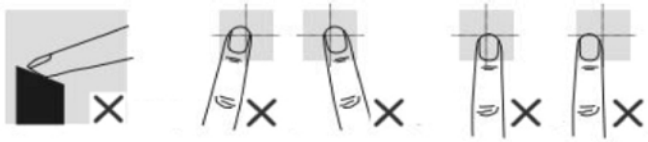
- Optical sensor.
- Standard 12-key keypad.
- Single tubular latch.
- Adjustable backset 2 ⅜" or 2 ¾".
- Fit door thickness between 1⅜" and 2⅜".
- Operation temperature from -4°F to 150°F (-20°C to 65°C).
- Powered by 4 AA Alkaline batteries (NOT included).
- Lock designed for INTERIOR door ONLY.
- One year limited manufacturer's warranty.

3. How to scan your fingerprint

When placing your finger on the fingerprint sensor to scan, make sure that the location of the fingerprint "core" is making direct contact with fingerprint sensor. Apply medium pressure, or just enough to flatten the skin on your finger.



The fingerprint sensor won't get your fingerprint image if you take the following way.



We recommend that you register index finger, thumb or finger with visible fingerprint image. It is important that your finger be clean when registering or verifying with your fingerprint. Washing your hands with moisturizing soap and using hand lotion will also improve accuracy.

4. Programming Code

The lock has one Programming Code. Programming Code allows a lock owner to login the lock system and program a user password or a user fingerprint. The factory-set

default Programming Code is 1234. It is recommended that a lock owner should change the default Programming Code to a customized Programming Code. A customized Program Code can be any combination of 4-12 digits.

To change Programming Code, please follow the following steps:

- Press 0 and then *
- Enter current programming code (default 1234), then press #
- Enter a new programming code (any combination of 4-12 digits), then press *
- Enter new programming code again, then press #

If changing the programming code is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. Repeat the above steps as necessary.

5. Fingerprint management

The lock is capable of storing up to 100 user fingerprints. Each user may be assigned a user ID. A user ID number ranges from 0 to 99. User ID 0, 1, and 2 are reserved for administrators. Administrators have the authority to enroll or delete other users. However, administrators do not have the authority to change Programming code.

5.1. Fingerprint enrollment

1) Login using Programming code or administrator fingerprint. Press * then enter Programming code, followed by pressing #, **or** Press * followed by placing an administrator fingerprint on the sensor. If login is successful, you will hear one long beep and the keypad shows blue light. Otherwise, you will hear two short beeps and the keypad shows red light. Repeat if login fails.

2) Press 1 than *.

3) Enter a user ID then press #, **or** simply press #. The fingerprint sensor light will activate indicating that the fingerprint sensor is ready to read fingerprint. The user ID can be any number ranging from 0 to 99. One user ID represents one fingerprint. Please keep in mind that user ID 0, 1 and 2 are reserved for administrators. The user ID has been used by other user if you hear two short beeps and the keypad shows red light. Try other number.

Associating a user ID with a fingerprint allows you to delete this fingerprint user easily later. If you do not want to delete a fingerprint user later, you can simply press #. If you want to delete a fingerprint user that is not associated with a user ID, you will need to delete all fingerprints from the system.

4) Place your finger on the fingerprint sensor firmly. Enrollment is successful if you hear one long beep and the keypad shows blue light. Enrollment fails if you hear 2 short beeps and the keypad shows red light, in which case you should repeat step 3 to 4 within 5 seconds; otherwise, you need to start from step 1.

5) Repeat step 3 to 4 within 5 seconds if you want to enroll more fingerprints. System will log out after 5 seconds if you don't press any button.

5.2. Unlock using a fingerprint

Place an enrolled finger on the fingerprint sensor firmly. Your finger tip must touch the top edge of the fingerprint sensor. The sensor should activate automatically. If the sensor doesn't activate, press # then place your finger on the fingerprint sensor. If the fingerprint is authenticated, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. If authentication fails, please change finger position or angle and put more pressure on the sensor, the sensor will scan two more times if the first try is rejected. After three rejections, the system will shut off. You need to lift your finger at least 2 inches away from the sensor, then place finger back on sensor to re-active the sensor.

5.3. Delete a single fingerprint

1) Login using Programming code or an administrator fingerprint. Press * then enter Programming code, followed by pressing #, **or** Press * followed by placing an administrator fingerprint on the sensor. If login is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. Repeat if login fails.

2) Press 2 and then *.

3) Enter the user ID, then press #. If the deletion is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light.

4) Repeat step 3 within 5 seconds if you want to delete more fingerprint users. The system will log out after 5 seconds if you don't press any button.

5.4. Delete all fingerprints

Login the system by programming code or administrator fingerprint, press 3 then *, press 3 then * again, then press #. If the deletion is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. Repeat as necessary.

6. User Code Management

The lock is capable of storing up to100 code users. Each code user is assigned a code user ID. A code user ID can be any number ranging from 0 to 99.

6.1. User code programming

1) Login using Programming code or an administrator fingerprint. Press * then enter Programming code, followed by pressing #, **or** Press * followed by placing an administrator fingerprint on the sensor. If login is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. Repeat if login fails.

2) Press 4 then *.

3) Enter a user ID, press #, you will hear one long beep and the keypad will show blue light. The user ID can be any number ranging from 0 to 99. The user ID has been used by other user if you hear two short beeps and the keypad shows red light. Enter a user code, press *, and enter the user code again, press #. The user code can be any combination of 4-12 digits. If the setup is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light.

4) Repeat step 3 within 5 second if you want to set up more user codes. The system will log out after 5 second if you don't press any button.

6.2. Unlock using a user code

Enter user code on keypad then press #. When you press the first number of the user code, press and hold the first number key until you hear a beep and the keypad shows blue light.

If the user code is authenticated, you will hear one long beep and the keypad will show blue light. The lock will unlock. Otherwise, you will hear two short beeps and the keypad will show red light.

6.3. Delete a single user code

1) Login using programming code or an administrator fingerprint. Press * then enter Programming code, followed by pressing #, **or** Press * followed by placing an administrator fingerprint on the sensor. If login is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light. Repeat if login fails.

2) Press 5 then *.

3) Enter a user ID, press #. If the deletion is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light.

4) Repeat step 3 within 5 seconds if you want to delete more user codes. The system will log out after 5 seconds if you don't press any button.

6.4. Delete all user code

Login the system by administrator fingerprint or programming code, then press 6 then *, press 6 then * again, then press #. If the deletion is successful, you will hear one long beep and the keypad will show blue light. Otherwise, you will hear two short beeps and the keypad will show red light.

7. Beep sound management

The beep sound could be turned off and turned on.

Login system, press 7 then * to turn off. Login system, press 7 then * again to turn on beeper sound when the beeper is turned off.

8. Double verification mode

The lock system supports double verification function. Enable this function could increase security lever. User have to either enter user code then scan fingerprint or scan two different fingerprint to unlock when this function enabled.

Login system, press 8 then * to enable double verification function. Login system, press 8 then * again to disenable the function when it was enabled.

9. Passage mode enabling/disabling

The lock can be set at a passage mode. When the lock is in a passage mode, anybody could open the door by pushing down the lever.

To enable a passage mode, press # within 5 second after any user unlocks the lock by using either a fingerprint or a user code. Any user unlocks the lock by using a fingerprint or a user code will disable a passage mode,

10. Key unlock

Insert a key in the cylinder to rotate 180° CLOCKWISE, then rotate lever to unlock. Rotate a key 180° COUNTER CLOCKWISE then take out the key to lock.

11. Low battery warning

When short quick beeping occurs during operation, please change the batteries as soon as possible.

12. Additional power source

When power runs out, attach 9V battery to the ports that are located at the bottom of the lock to power up the system.

13. System reset

The system can be reset to the factory-set default mode by pressing the reset button. To reset the system, press the reset button and hold until you hear a long beep. The reset button is located on the PCB board. If you've already installed the lock onto a door, you will need to take the lock off the door in order to locate the reset button. After resetting the system, Programming Code will revert back to the default programming code (1234). All user fingerprints and user codes will remain in the system. You may login by using default programming code. You may login system to use command to delete all fingerprint or user code when you need it.

14. Troubleshooting

Problem	Beeps	Lights	Solution
Nothing happens when finger is placed on the fingerprint sensor.	None	None	Lift the finger then place the finger on top of the sensor.
Nothing happens when numbers are pressed.	None	None	Press and hold key.
Can't login by programming code.	Two	Red	Enter a valid Code. Reset system if you forgot programming code.
Can't login by administrator fingerprint.	Two	Red	Login with a fingerprint that has the fingerprint ID as 0, 1 or 2.
You hear two short beeps and see red light after enter user ID.	Two	Red	ID has been used. Try a different ID.
Can't program my fingerprint.	Two	Red	Try to program a different finger
Can't unlock by my fingerprint.	Two	Red	Try to place your finger on a different area or at a different angle.
Can't unlock by a User Code.	Two	Red	Try a different User Code.
System exits active status.	None	Red	Nothing to do.
Low power alert.	Multiple	Red	Change battery as soon as possible.
Lock stays as unlock.	None	None	Unlock by a User Code or a fingerprint. Take off front lever then follow instruction step by step to setup lever again if the lock still stays as unlocked.
Can't rotate rear lever up or down.	None	None	Installation error, please refer to the installation instruction and re-install the lock.
Could rotate lever but can't unlock after rotate the key 180°.	None	None	Installation error, please refer to the installation instruction to re-install the lock.
System crash. The system doesn't accept any command.	None	None	Take one battery out, press any key for 2 seconds, and then place the battery back.
Battery hot or battery compartment melt	None	None	Remove battery immediately. Take off lock from door, check wire if it is pinched or crushed. Contact manufacturer.
Front lever was pulled out	None	None	User must rotate key 180 degree; the lever may be pulled out if user rotates key 90 degree instead of 180 degree.
No power after placing battery in.	None	None	Check wire connection and check battery if it is put in backward.

SCYAN X7 FINGERPRINT KEYPAD LOCK INSTALLATION INSTRUCTIONS

Part I. Door Preparation Instructions

Tools needed for new installation:

Pencil, Chisel, Tape Measure, Hammer, Phillips Screwdriver, 1" (25 mm) & ⅛" (3 mm) Drill Bits, 2 ⅛" (54 mm) Hole Boring Bit, Power Drill.

1. Mark door.

   1.1 Mark centerline on door and jamb (see fig. 1).

   1.2 Stand so door swings towards you.

2. Drill holes on door (see fig. 2, and 3).

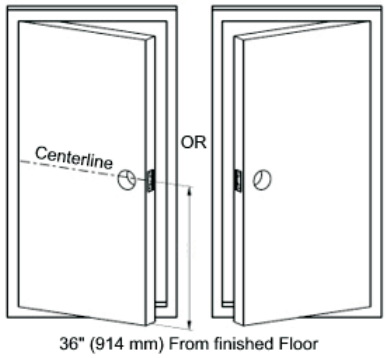


fig. 1

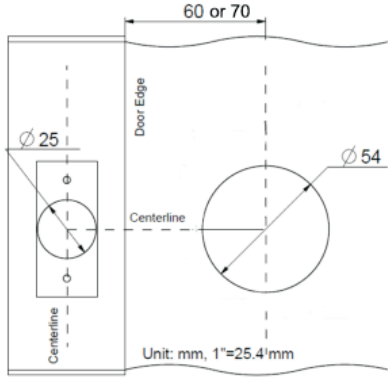


fig. 2

3. Install Latch.

   3.1 Latch is adjustable, you may set the latch to either 2 ⅜" (60 mm) or 2 ¾" (70 mm) backset (see fig.4).

   3.2 Use faceplate as a pattern for mortise and pilot holes. The faceplate should fit flush (see fig. 5).

   3.3 Install as shown for appropriate latch type. Ensure bevel faces door jamb.

   3.4 Check square hole edge on the latch spindle. The square hole edges MUST are either parallel or vertically aligned with latch centerline (see fig. 6), otherwise refer fig. 7 to adjust latch spindle.

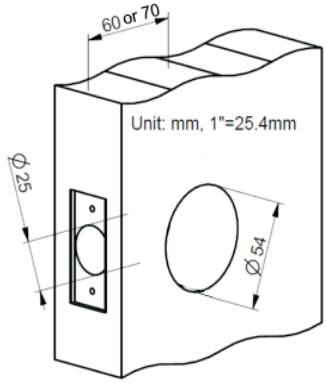


fig. 3

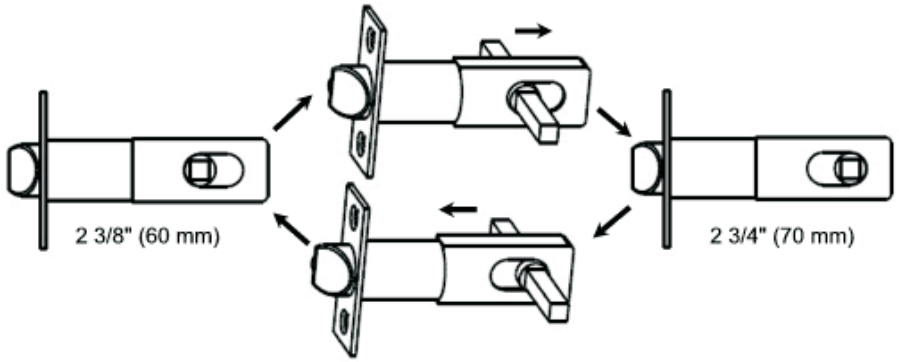


fig. 4

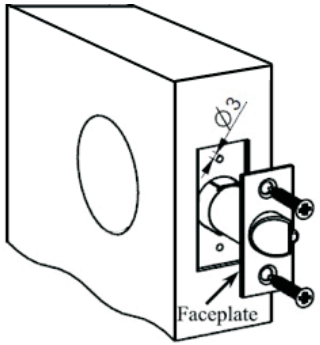


fig. 5

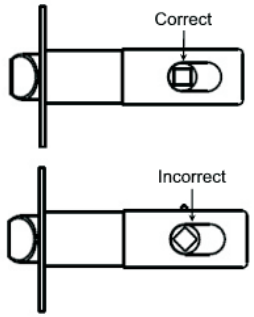


fig. 6

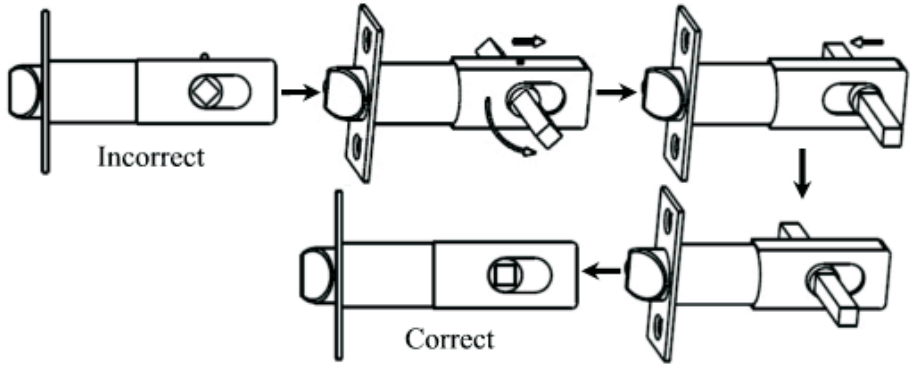


fig. 7

4. Prepare door jamb (see fig. 8).

4.1 Mark centerlines on jamb exactly opposite center of latch hole.

4.2 Make rectangle holes as shown.

4.3 Use strike as a pattern for mortise and pilot holes. Strike should fit flush.

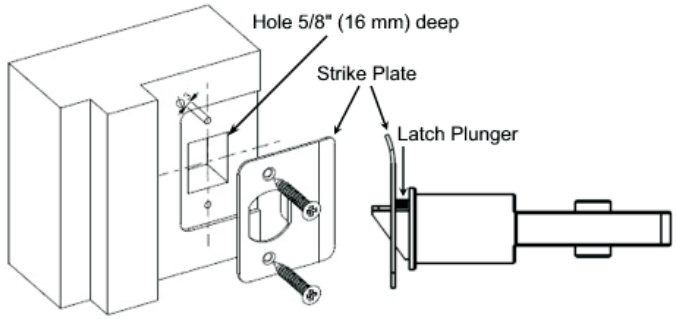
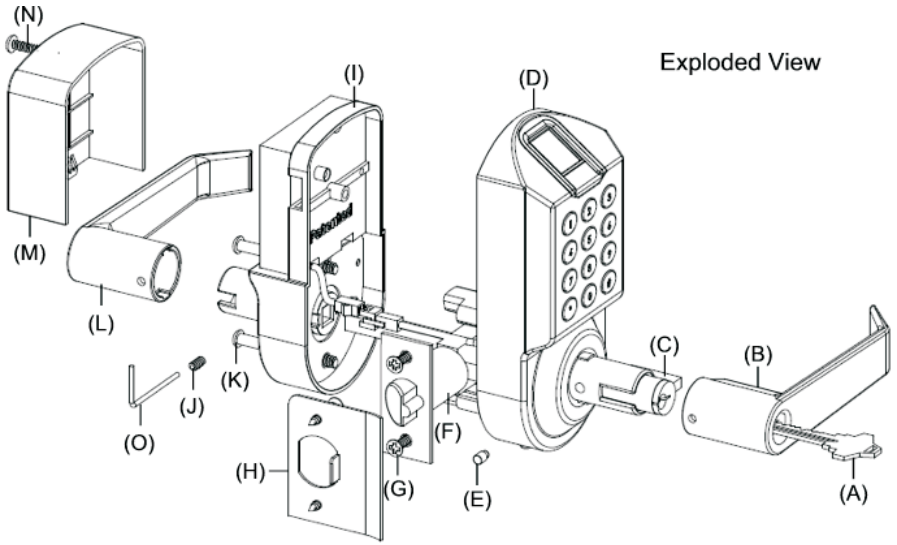


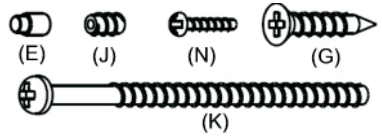
fig. 8

Part II. Fingerprint Keypad Lock Installation Instructions



(A) Key
(B) Outside Lever
(C) Cylinder
(D) Outside chassis
(E) Lever Catch
(F) Latch
(G) Latch/Strike Screws
(H) Strike
(I) Inside chassis
(J) Allen Screw
(K) Mounting Screws
(L) Inside Lever
(M) Cover
(N) Cover Screw
(O) Allen Wrench (Tool)

The lock comes with two (K) Mounting Screws M5x60 2⅜" (60 mm) long, one (N) M3x25 1"(25 mm) long Cover Screw, one (J) Allen Screw, one (E) Lever Catch and 4 pieces (G) Latch/Strike Screws.



Note: The lock fit door thickness between 1⅜" and 2⅜".

Contact manufacturer to order M5x50 2" (50 mm) long screw if your door thickness is less than 1⅜".

Tools needed: Phillips Screwdriver, Tape Measure, Pencil, and Flathead Screwdriver.

IMPORTANT NOTES:

- **DO NOT use a power drill for installation!**
- Install and test lock with door open to avoid being locked out.

1. Install lock on the door.

1.1 The dent should be on 12-clock position (see fig. 1), if not, rotate Square Spindle to let the dent be on 12-clock position.

1.2 Install the outside chassis unit (see fig. 2). Slide wire through hole on door. Slide square spindle and poles smoothly through holes in latch. Take care to keep outside chassis vertically aligned during installation. Check latch setting and door dimensions if there is any problem.

1.3 Take care to keep inside chassis vertically aligned during installation. Connect wire and arrange wire in empty space, take care to ensure wire is not pinched or crushed at any point during installation. The Square Spindle slide smoothly into square hole on Lever Spindle (see fig. 3).

1.4 Insert Mounting Screws to mounting hole on the inside chassis (see fig. 4). Use Philip Driver to drive two screws into mounting hole on mounting poles.

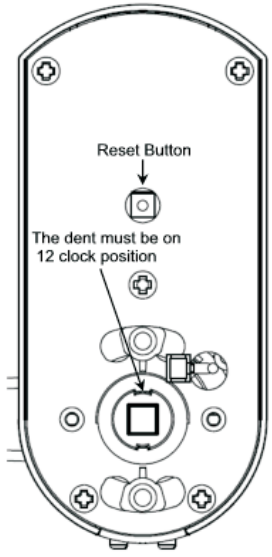


fig. 1

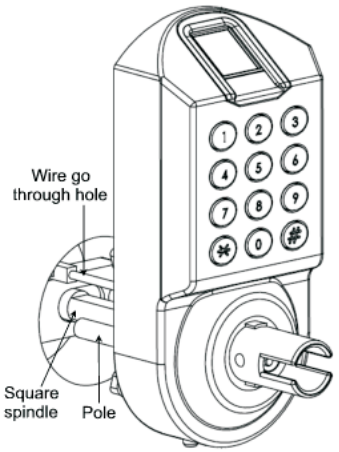


fig. 2

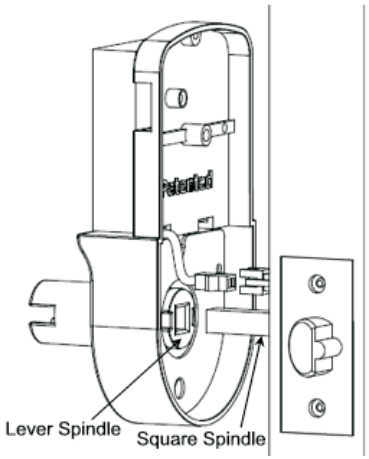


fig. 3

2. Set up inside Lever: Put Lever on Lever Spindle then use Allen Wrench to put Allen Screw (see fig. 5). Use Allen Wrench to take Allen Screw off then pull out Lever when you want to remove Lever.

3. Set up outside Lever: You may set up lever to fit for either left-handed or right-handed door.

3.1 Make sure that the dent is on 12-clock position when lock hasn't be installed on the door (see fig. 1), if not, rotate Square Spindle.

3.2 Rotate inner Spindle by Flathead Screwdriver let Cylindrical Protrusions horizontally aligned (see fig. 6).

3.3 Insert Lever Catch in the right side hole on Lever Spindle completely if your door is left-handed (see fig. 7a), otherwise put it in the left side hole (see fig. 8a). The big end on the Lever Catch goes into the hole first.

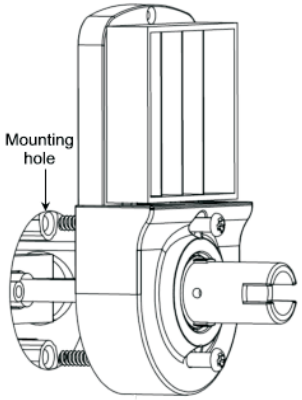


fig. 4

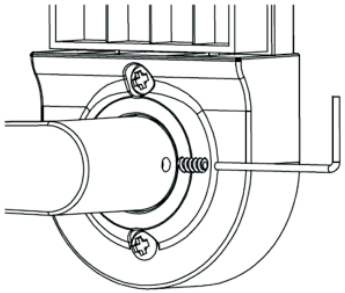


fig. 5

3.4 Insert Cylinder in Lever Spindle. The Cylinder's tail toward left if you want to set lock as left-handed (see fig. 7b), otherwise the Cylinder's tail toward right (see fig. 8b).

Caution: Please rotate the key gently, rotating should be very smooth and no any resistance; otherwise **STOP** rotating and check if the dent is on 12-clock position (see fig. 1), if not, rotate Square Spindle.

3.5 Put lever on Lever Spindle (see fig. 7c, 8c). The lever will stop at half way when you push Lever in. Insert key into Cylinder, rotate the key **CLOCKWISE** 90°. Continue rotating key clockwise while pushing lever until the lever is pushed in (see fig. 9b). Rotating key range is from 90° to 135°. Rotate the key counter clockwise, back to original position (see fig. 9c). Take the key out (see fig. 9d).

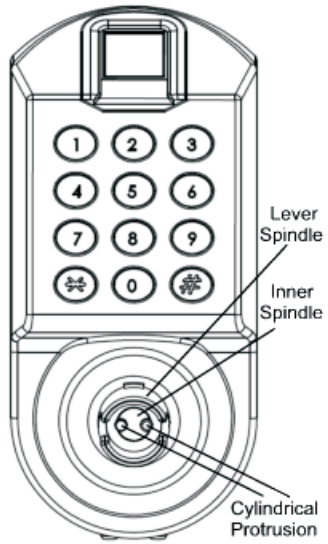


fig. 6

3.6 Remove Lever (if necessary): Refer fig.1 to make sure that the dent is on 12-clock if the lock hasn't been installed on the door. Insert key into Cylinder then rotate key CLOCKWISE 90° (Rotate key counter CLOCKWISE 90° if key can't be rotated clockwise), use Allen Wrench or paper clip to push Lever Catch then pull lever out (see fig.10). Rotate key COUNTER CLOCKWISE 90° then take key out. Use Flathead

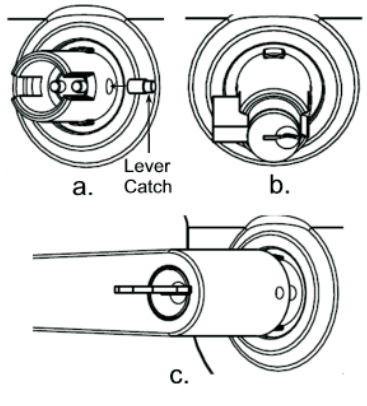


fig. 7

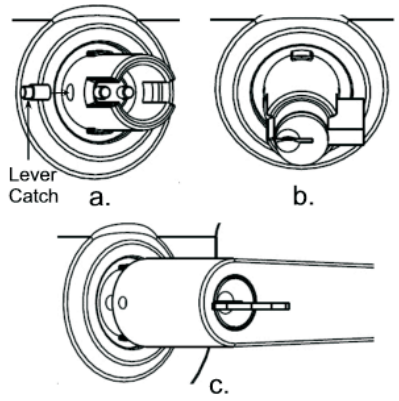


fig. 8

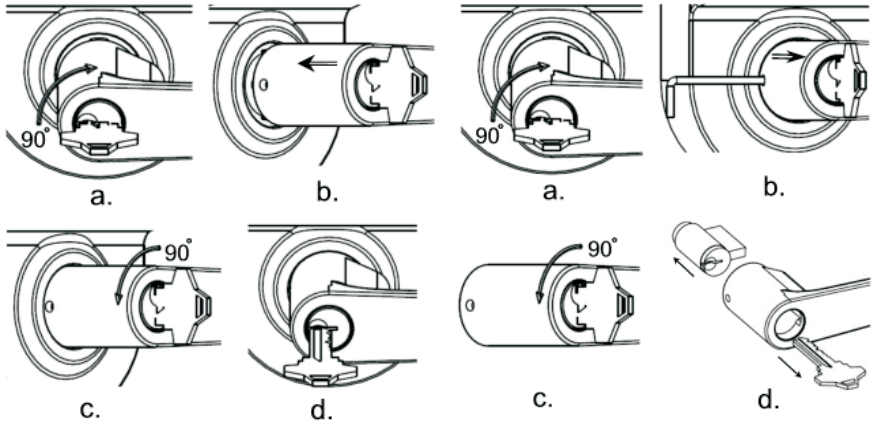


fig. 9 fig. 10

Screwdriver to rotate Cylindrical Protrusions, the Lever Catch will protrude. Take the Lever Catch out, keep it in safe place.

3.7 Switching Levers (if necessary): Levers can be reversed to extend toward hinges. Refer 3.6 to remove lever then following 3.1 to 3.5 to set up lever.

4. Install 4 brand new AA Alkaline batteries (NOT included, do not use rechargeable batteries). **Alkaline Batteries Warning:** Do not install backwards, charge, put in fire, or mix with other battery types, may explode or leak causing injury. Replace all batteries at the same time.

5. Slide cover down then tight cover screw (see figure 11).

6. **Testing lock:** Rear lever should be pushed down and lifted up; otherwise take off lock to reinstall it by referring fig.1 to rotate Square Spindle to let the dent be on 12-clock position. The lock may keep unlock after installation. Enter default code 1234 then press #. The lock will lock by itself after 5 second. Installation error occurs if the lock still unlock. Refer 3.6 on to remover lever then follow instruction step by step to setup front lever. Push down rear lever the latch should retract completely; otherwise check latch if it is broken. Refer 3.4 on to fix it if latch is not broken.

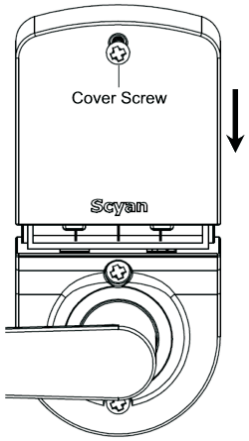


fig. 11

7. **Caution:** User **MUST** install strike plate included in package. The existing strike must be removed if there is one on door jamb. Check the operation of the latch by ensuring that the latch plunger stops against the strike plate and does not slide into the strike opening when the door is closed (see fig. 12). If that situation occurs, then a total lockout may occur. This situation will void our warranty of the complete lock mechanism. If necessary, correct the door over-travel by using the rubber bumper

(see fig. 13). You may buy the rubber bumpers from your local hardware store.

8. Lock removal: Reverse step 5, 4 and 2. Refer step 3.6 to remove outside Lever. Reverse step 1.4 and 1.3 to remove outside chassis and inside chassis from the door.

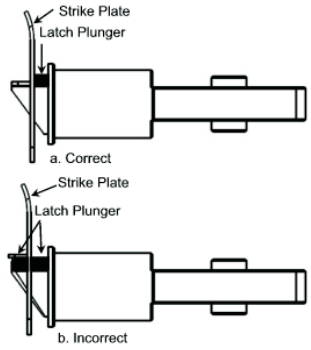


fig. 12

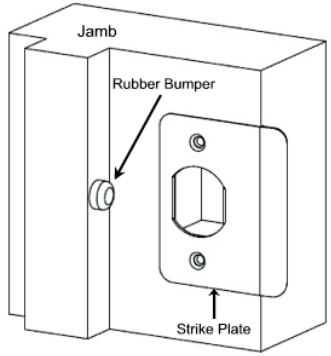
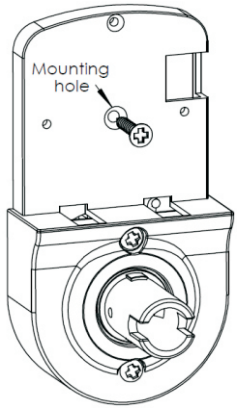


fig. 13

Installation Option:

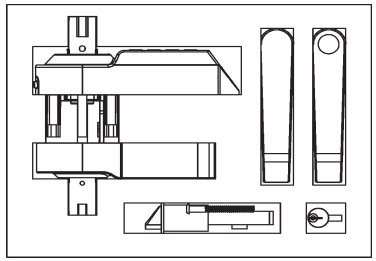
The lock will stay on vertical position on the door as long as the two mounting screws were tied up in most case. You may put a tapping screw on inside chassis to increase lock stability.

1. Remove two screws in battery compartment. You will see mounting hole under battery compartment.
2. Use 1/8" (3 mm) Drill Bits to drill a hole on door. through mounting hole.
3. Screw tapping screw in.
4. Put battery compartment back.



Product return:

Please refer installation instruction to remove lock from door, remove levers from lock, and then refer the following diagram to pack lock.



Customer Service:

Call From:
USA: 1-800-610-8708
International: 1-206-659-8006
Email: info@scyanelectronics.com
www.scyanelectronics.com

©2013 Scyan Electronics LLC, V 3.1